



CNU2082/CNU4604

LTE SITE: CCL02082
FA. #: 10101810 USID: 47323

MONARCH ST. ALAMEDA/2082

2501 MONARCH STREET
ALAMEDA, CA 94501

USA NORTH
OF CENTRAL/NORTHERN CALIFORNIA
AND NEVADA



1-800-227-2600
AT LEAST TWO DAYS
BEFORE YOU DIG

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. CALIFORNIA CODE OF REGULATIONS
2. 2007 CALIFORNIA BUILDING CODE
3. 2007 CALIFORNIA MECHANICAL CODE
4. 2007 CALIFORNIA PLUMBING CODE
5. 2007 CALIFORNIA ELECTRIC CODE
6. ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE
7. 2006 LIFE SAFETY CODE NFPA-101
8. CITY/COUNTY ORDINANCES

HANDICAP REQUIREMENTS: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA ADMINISTRATIVE STATE CODE PART 2, TITLE 24, CHAPTER 11B, SECTION 1103B.

PROJECT DESCRIPTION

THIS IS AN UNMANNED TELECOMMUNICATIONS FACILITY FOR AT&T WIRELESS CONSISTING OF THE INSTALLATION OF THE FOLLOWING:

1. NEW (1) OUTDOOR CABINET MOUNTED INSIDE EXISTING EQUIPMENT COMPOUND.
2. NEW THREE (3) LTE ANTENNAS MOUNTED ON EXISTING BUILDING.
3. NEW SIX (6) RRU'S MOUNTED ON EXISTING BUILDING.
4. NEW ONE (1) 3" FIBER/POWER CONDUIT FROM OUTDOOR CABINET TO RRU'S.
5. NEW TWO (2) RET'S PER ANTENNA.
6. NEW ONE (1) FIBER/POWER BOX.
7. NEW THREE (3) SURGE SUPPRESSION BOXES, ONE (1) PER LTE ANTENNA.

DRIVING DIRECTIONS

FROM AT&T OFFICE - PLEASANTON, CA

1. DEPART ROSEWOOD DR TOWARD OLD SANTA RITA RD
2. TURN LEFT ONTO SANTA RITA RD
3. TAKE RAMP RIGHT FOR I-580 WEST/ARTHUR H BREED FWY
4. KEEP LEFT ONTO I-238 NORTH
5. AT EXIT 17A, TAKE RAMP LEFT FOR I-880 NORTH
6. TAKE RAMP RIGHT FOR BROADWAY TOWARD DOWNTOWN
7. TURN RIGHT ONTO BROADWAY, AND THEN IMMEDIATELY TURN RIGHT ONTO 7TH ST
8. TURN RIGHT ONTO WEBSTER ST
9. BEAR RIGHT ONTO SR-260 SOUTH
10. TURN RIGHT ONTO STARGELL AVE
11. ROAD NAME CHANGES TO W MIDWAY AVE
12. TURN RIGHT ONTO MONARCH ST
13. ARRIVE AT 2501 MONARCH ST, ALAMEDA, CA 94501

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWING:

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

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APPROVALS

LANDLORD: _____
CONSTRUCTION MANAGER: _____
RF ENGINEER: _____
SITE ACQUISITION MANAGER: _____
ZONING MANAGER: _____
UTILITY COORDINATOR: _____
PROGRAM REGIONAL MANAGER: _____
NETWORK OPERATIONS MANAGER: _____

PROJECT TEAM

ENGINEER:
PDC CORPORATION
1062 CONCANNON BLVD.
LIVERMORE, CA 94550
ENGR. OF RECORD: SOHAIL A. SHAH. P.E.
CONTACT: PAULO PUELIU
OFFICE: (925) 606-5868
MOBILE: (510) 385-5541
EMAIL: paulo@pdccorp.net

APPLICANT/LESSEE:
AT&T
4430 ROSEWOOD DR.
PLEASANTON, CA 95488

SITE ACQUISITION MANAGER:
ERICSSON
6160 STONERIDGE MALL DR. SUITE 400
PLEASANTON, CA 94588
CONTACT: RICK RAMIREZ
PHONE: (925) 737-5800
EMAIL: rick.ramirez@ericsson.com

ZONING MANAGER:
LYLE COMPANY
3140 GOLD CAMP DR. SUITE 30
RANCHO CORDOVA, CA 95670
CONTACT: JONATHAN FONG
PHONE: (916) 266-7000
EMAIL: jfong@lyleco.com

RF ENGINEER:
AT&T
4430 ROSEWOOD DR.
PLEASANTON, CA 94588
CONTACT: CHRISTOPHER GAMBOA
PHONE: (925) 468-8587

CONSTRUCTION MANAGER:
ERICSSON
6160 STONERIDGE MALL DR. SUITE 400
PLEASANTON, CA 94588
CONTACT: AMEDIE PARK
PHONE: (925) 737-5800
EMAIL: amedie.park@ericsson.com

PROJECT INFORMATION

SITE ADDRESS: 2501 MONARCH STREET
ALAMEDA, CA 94501

APN: 074-0891-001-00

PROPERTY OWNER: CITY OF ALAMEDA
2175 MONARCH ST.
ALAMEDA, CA 94501

CONTACT: LYNNE MORIN
(415) 250-7994

LATITUDE: 37.78553' N (NAD 83)

LONGITUDE: 122.30422' W (NAD 83)

GROUND ELEVATION: ±7' AMSL

HEIGHT OF STRUCTURE: 45' AGL

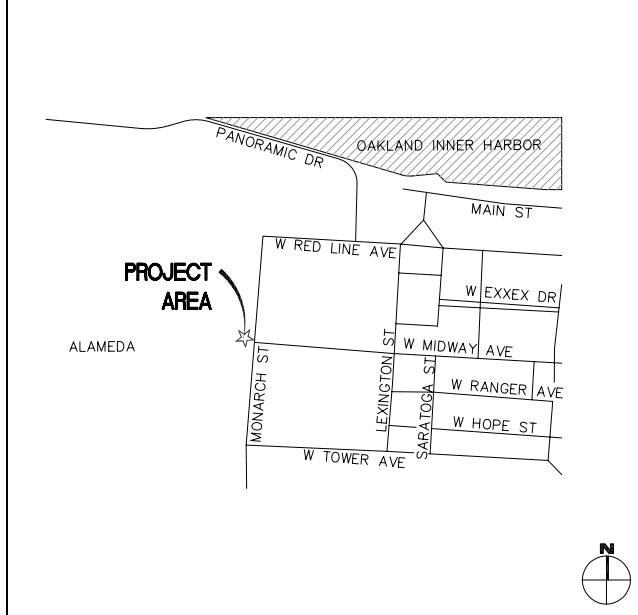
ZONING: M-2-G

JURISDICTION: CITY OF ALAMEDA

TELEPHONE: AT&T

POWER: PG&E

VICINITY MAP



4430 ROSEWOOD DRIVE
PLEASANTON, CA 94588

PROJECT INFORMATION:

CNU2082/CNU4604
LTE SITE: CCL002082
FA. #: 10101810 USID: 47323
MONARCH ST.
ALAMEDA/2082
2501 MONARCH STREET
ALAMEDA, CA 94501

CURRENT ISSUE DATE:

12/21/10

ISSUED FOR:

REV 1
SAC/CM COMMENTS

REV.: DATE: DESCRIPTION: BY:

A	07/28/10	90% CONSTRUCTION DRAWING	JD
0	10/01/10	100% CONSTRUCTION DRAWING	HG
1	12/21/10	SAC/CM COMMENTS	HT

PLANS PREPARED BY:

PDC CORPORATION



1062 CONCANNON BLVD.
LIVERMORE, CA 94550
TEL: (925) 606-5868

CONSULTANT:



3140 GOLD CAMP DR, SUITE 30
RANCHO CORDOVA, CA 95670

DRAWN BY: CHK.: APV.:

JD PP SAS















LICENSER:




SHEET TITLE:

TITLE SHEET,
SITE INFORMATION
AND VICINITY MAP

SHEET NUMBER:

T-1

<div><div><div></div><div>NEW ANTENNA</div></div><div><div></div><div>EXISTING ANTENNA</div></div><div><div></div><div>GROUND ROD</div></div><div><div></div><div>GROUND BUS BAR</div></div><div><div></div><div>MECHANICAL GRND. CONN.</div></div><div><div></div><div>CADWELD</div></div><div><div></div><div>GROUND ACCESS WELL</div></div><div><div></div><div>ELECTRIC BOX</div></div><div><div></div><div>TELEPHONE BOX</div></div><div><div></div><div>LIGHT POLE</div></div><div><div></div><div>FND. MONUMENT</div></div><div><div></div><div>SPOT ELEVATION</div></div><div><div></div><div>SET POINT</div></div><div><div></div><div>REVISION</div></div><div><div></div><div>GRID REFERENCE</div></div><div><div></div><div>DETAIL REFERENCE</div></div><div><div></div><div>ELEVATION REFERENCE</div></div><div><div></div><div>SECTION REFERENCE</div></div><div><div></div><div>GROUT OR PLASTER</div></div><div><div></div><div>(E) BRICK</div></div><div><div></div><div>(E) MASONRY</div></div><div><div></div><div>CONCRETE</div></div><div><div></div><div>EARTH</div></div><div><div></div><div>GRAVEL</div></div><div><div></div><div>PLYWOOD</div></div><div><div></div><div>SAND</div></div><div><div></div><div>WOOD CONT.</div></div><div><div></div><div>WOOD BLOCKING</div></div><div><div></div><div>STEEL</div></div><div><div></div><div>CENTERLINE</div></div><div><div></div><div>PROPERTY/LEASE LINE</div></div><div><div></div><div>MATCH LINE</div></div><div><div></div><div>WORK POINT</div></div><div><div></div><div>GROUND CONDUCTOR</div></div><div><div></div><div>TELEPHONE CONDUIT</div></div><div><div></div><div>ELECTRICAL CONDUIT</div></div><div><div></div><div>COAXIAL CABLE</div></div><div><div></div><div>OVERHEAD SERVICE CONDUCTORS</div></div><div><div></div><div>CHAIN LINK FENCING</div></div><div><div></div><div>FIBER/POWER CONDUIT</div></div></div>	<div><div><div>A.B. ABV. ACCA ADD'L A.F.F. ALUM. ALT. ANT. APPRX. ARCH. AWG. BLDG. BLK. BLKG. BM. B.N. BTCW. B.O.F. B/U CAB. CANT. C.I.P. CLG. CLR. COL. CONC. CONN. CONSTR. CONT. d DBL. DEPT. D.F. DIA. DIAG. DIM. DWG. DWL. EA. EACH EL. ELEC. ELEV. EMT. E.N. ENG. EQ. EXP. EXST.(E) EXT. FAB. F.F. F.G. FIN. FLR. FDN. F.O.C. F.O.M. F.O.S. F.O.W. F.S. FT.(') FTG. G. GA. GI. G.F.I. GLU. GPS</div><div>ANCHOR BOLT ABOVE ANTENNA CABLE COVER ASSEMBLY ADDITIONAL ABOVE FINISHED FLOOR ABOVE FINISHED GRADE ALUMINUM ALTERNATE ANTENNA APPROXIMATE(LY) ARCHITECT(URAL) AMERICAN WIRE GAUGE BUILDING BLOCK BLOCKING BEAM BOUNDARY NAILING BARE TINNED COPPER WIRE BOTTOM OF FOOTING BACK-UP CABINET CABINET CANTILEVER(ED) CAST IN PLACE CEILING CLEAR COLUMN CONCRETE CONNECTION(OR) CONSTRUCTION CONTINUOUS PENNY (NAILS) DOUBLE DEPARTMENT DOUGLAS FIR DIAMETER DIAGONAL DIMENSION DRAWING(S) DOWEL(S) EACH ELEVATION ELECTRICAL ELEVATOR ELECTRICAL METALLIC TUBING EDGE NAIL ENGINEER EQUAL EXPANSION EXISTING EXTERIOR FABRICATION(OR) FINISH FLOOR FINISH GRADE FINISH(ED) FLOOR FOUNDATION FACE OF CONCRETE FACE OF MASONRY FACE OF STUD FACE OF WALL FINISH SURFACE FOOT (FEET) FOOTING GROWTH (CABINET) GAUGE GALVANIZE(D) GROUND FAULT CIRCUIT INTERRUPTER GLUE LAMINATED BEAM GLOBAL POSITIONING SYSTEM</div></div><div><div><div>GRND. HDR. HGR. HT. ICGB. IN.(') INT. LB.(#) L.B. L.F. L. L. MAS. MAX. M.B. MECH. MFR. MIN. MISC. MTL. (N) NO.(#) N.T.S. O.C. OPNG. P/C PCS PLY. PPC PRC P.S.F. P.S.I. P.T. PWR. QTY. RAD.(R) REF. REINF. REQ'D. RCS. SCH. SHT. SIM. SPEC. SQ. S.S. STD. STL. STRUC. TEMP. THK. T.N. T.O.A. T.O.C. T.O.F. T.O.P. T.O.S. T.O.W. TYP. U.G. U.L. U.N.O. V.I.F. W W/ WD. W.P. WT. C E</div><div>GROUND HEADER HANGER HEIGHT ISOLATED COPPER GROUND BUS INCH(ES) INTERIOR POUND(S) LAG BOLTS LINEAR FEET (FOOT) LONG(TUDINAL) L. MASONRY MAXIMUM MACHINE BOLT MECHANICAL MANUFACTURER MINIMUM MISCELLANEOUS METAL NEW NUMBER NOT TO SCALE ON CENTER OPENING PRECAST CONCRETE PERSONAL COMMUNICATION SERVICES PLYWOOD POWER PROTECTION CABINET PRIMARY RADIO CABINET POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PRESSURE TREATED POWER (CABINET) QUANTITY RADIUS REFERENCE REINFORCEMENT(ING) REQUIRED RIGID GALVANIZED STEEL SCHEDULE SHEET SIMILAR SPECIFICATION(S) SQUARE STAINLESS STEEL STANDARD STEEL STRUCTURAL TEMPORARY THICK(NESS) TOE NAIL TOP OF ANTENNA TOP OF CURB TOP OF FOUNDATION TOP OF PLATE (PARAPET) TOP OF STEEL TOP OF WALL TYPICAL UNDER GROUND UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE VERIFY IN FIELD WIDE(WIDTH) WITH WOOD WEATHERPROOF WEIGHT CENTERLINE PLATE, PROPERTY LINE</div></div></div><div><div><div>ABBREVIATIONS</div><div>2</div></div><div><div><div>GENERAL NOTES FOR EXISTING AT&T CELL SITES:</div><div><div><div>1. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.</div><div>2. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.</div><div>3. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.</div><div>4. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.</div><div>5. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.</div><div>6. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.</div></div></div></div></div><div><div><div>GENERAL CONSTRUCTION NOTES:</div><div><div><div>1. THE FACILITY IS AN UNOCCUPIED DIGITAL TELECOMMUNICATION FACILITY.</div><div>2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.</div><div>3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION ENGINEER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.</div><div>4. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.</div><div>5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.</div><div>6. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.</div><div>7. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION ENGINEER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.</div><div>8. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.</div><div>9. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.</div><div>10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CHAPTER 23 OF THE CBC REGARDING EARTHQUAKE PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS AND MECHANICAL EQUIPMENT. ALL WORK MUST BE IN ACCORDANCE WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.</div><div>11. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.</div><div>12. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ENGINEER.</div><div>13. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, VEGETATION, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF AT&T.</div><div>14. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.</div><div>15. PENETRATIONS OF ROOF MEMBRANES SHALL BE PATCHED/FLASHED AND MADE WATERTIGHT USING LIKE MATERIALS IN ACCORDANCE WITH NRCA ROOFING STANDARDS AND DETAILS. CONTRACTOR SHALL OBTAIN DETAILING CLARIFICATION FOR SITE-SPECIFIC CONDITIONS FROM ENGINEER, IF NECESSARY, BEFORE PROCEEDING.</div><div>16. BEFORE ORDERING AND/OR BEFORE FABRICATING/CONSTRUCTING/INSTALLING ANY ITEMS, VERIFY THE TYPES AND QUANTITIES.</div><div>17. CONTRACTOR SHALL PROVIDE SITE FOREMAN WITH A CELLULAR PHONE AND PAGER, AND KEEP SAME ON SITE WHENEVER PERSONNEL ARE ON SITE.</div><div>18. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE SITE AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCIES BEFORE STARTING ANY WORK.</div><div>19. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.</div><div>20. CONTRACTOR TO PROVIDE COMPLETE SET OF AS BUILT DRAWINGS WITHIN 10 WORKING DAYS OF PROJECT COMPLETION</div><div>21. CONTRACTOR IS TO EXCAVATE 6" BELOW EXISTING GRADE AND SPRAY WITH WEED CONTROL. REPLACE WITH CLASS II AGGREGATE BASE AND CRUSHED WASHED ROCK. AS SPECIFIED ON SITE PLAN.</div><div>22. CONTRACTOR SHALL PROVIDE TOILET FACILITY DURING ALL PHASES OF CONSTRUCTION.</div><div>23. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR THE FABRICATION OF MATERIALS TO BE INSTALLED AT THE SITE, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS INCLUDING AS-BUILT DIMENSIONS OF EXISTING STRUCTURES OR STRUCTURAL ELEMENTS HAVING A BEARING ON THE SCOPE OF THE WORK TO BE PERFORMED. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE DIMENSIONS OR CONDITIONS FOUND TO BE EXISTING IN THE FIELD, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OBTAIN DESIGN RESOLUTION PRIOR TO PROCEEDING WITH THE PORTION(S) OF THE WORK AFFECTED. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO SO NOTIFY THE ENGINEER AND OBTAIN RESOLUTION BEFORE PROCEEDING.</div></div></div></div></div><div><div><div>LEGEND</div><div>1</div></div><div><div><div>GENERAL NOTES FOR EXISTING AWS CELL SITES</div><div>3</div></div><div><div><div>GENERAL CONSTRUCTION NOTES</div><div>4</div></div></div></div></div></div></div>
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 at&t			
4430 ROSEWOOD DRIVE PLEASANTON, CA 94588			
PROJECT INFORMATION:			
<div style="border: 1px solid black; padding: 5px;"> CNU2082/CNU4604 LTE SITE: CCL002082 FA. #: 10101810 USID: 47323 MONARCH ST. ALAMEDA/2082 2501 MONARCH STREET ALAMEDA, CA 94501 </div>			
CURRENT ISSUE DATE:			
<div style="border: 1px solid black; padding: 5px; font-size: 1.2em;">12/21/10</div>			
ISSUED FOR:			
<div style="border: 1px solid black; padding: 5px;"> REV 1 SAC/CM COMMENTS </div>			
REV. DATE:		DESCRIPTION:	
A	07/28/10	90% CONSTRUCTION DRAWING	JD
O	10/01/10	100% CONSTRUCTION DRAWING	HG
1	12/21/10	SAC/CM COMMENTS	HT
PLANS PREPARED BY:			
<div style="border: 1px solid black; padding: 5px;"> <p style="margin: 0;">PDC CORPORATION</p>  <p style="margin: 0; font-size: 0.8em;">1062 CONCANNON BLVD. LIVERMORE, CA 94550 TEL: (925) 606-5868</p> </div>			
CONSULTANT:			
<div style="border: 1px solid black; padding: 5px;">  L Y L E </div> <p style="margin-top: 10px; font-size: 0.8em;">3140 GOLD CAMP DR, SUITE 30 RANCHO CORDOVA, CA 95670</p>			
DRAWN BY:		CHK.:	
JD	PP	APV.:	
LICENSER:			
SHEET TITLE:			
<div style="border: 1px solid black; padding: 5px;"> GENERAL NOTES, LEGEND AND ABBREVIATIONS </div>			
SHEET NUMBER:			
<div style="border: 1px solid black; padding: 5px; font-size: 3em; font-weight: bold;">T-2</div>			

SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY,
CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.

GENERAL NOTES:

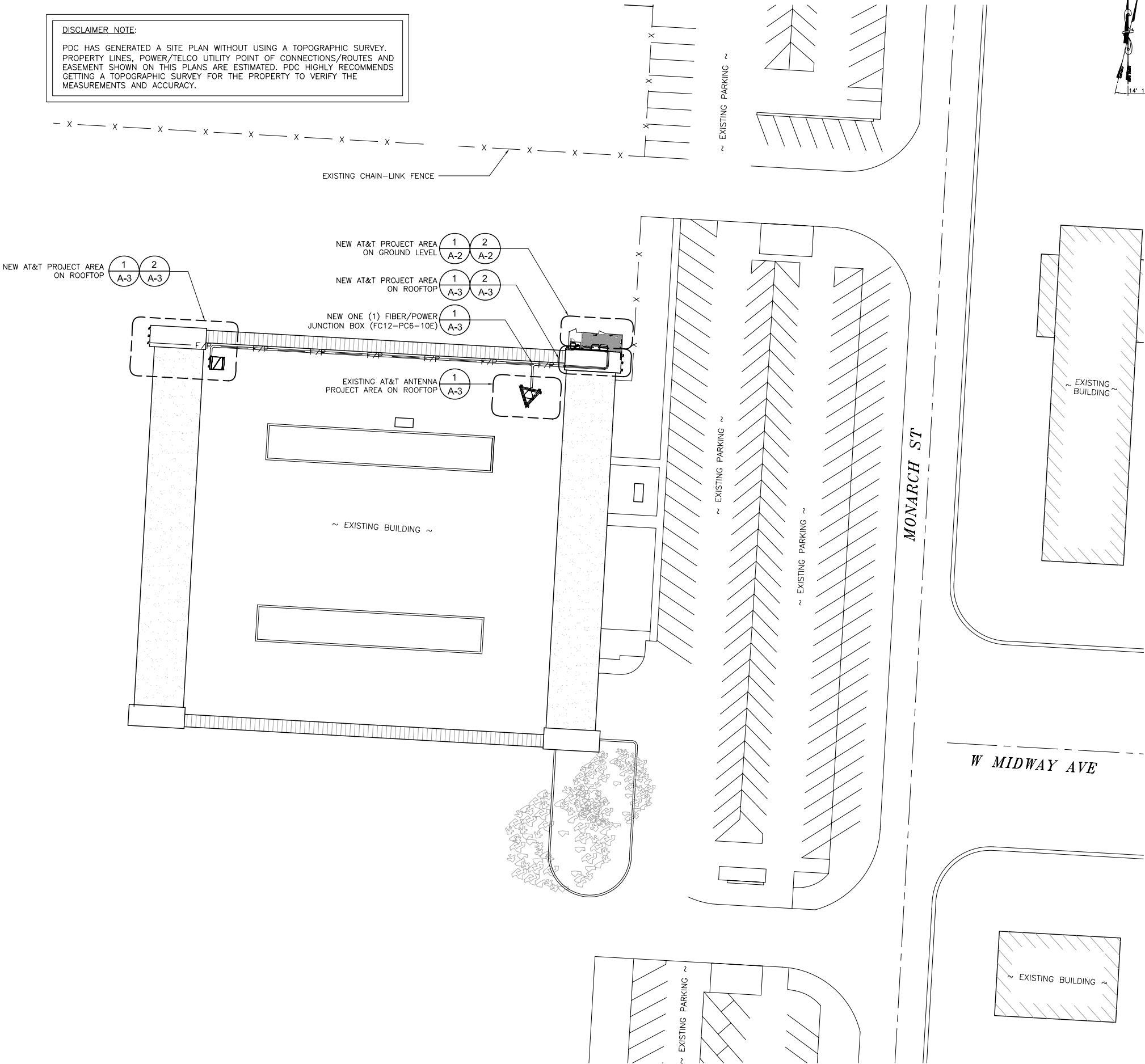
1. THIS PROPOSAL IS FOR THE MODIFICATION OF AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF INSTALLATION OF THE FOLLOWING: ONE (1) NEW OUTDOOR CABINET MOUNTED INSIDE EXISTING EQUIPMENT COMPOUND THREE (3) NEW LTE PANEL ANTENNAS, SIX (6) NEW RRU'S, ONE (1) 3" FIBER/POWER CONDUIT, TWO (2) RET CONTROLLERS PER LTE ANTENNA, ONE (1) FIBER/POWER BOX, AND THREE SURGE SUPPRESSION BOXES.
2. THE EXISTING FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE.
3. THE EXISTING FACILITY IS UNMANNED AND IS NOT FOR HUMAN HABITAT. (NO HANDICAP ACCESS IS REQUIRED).
4. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
5. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS PROPOSAL.
6. OUTDOOR STORAGE AND SOLID WASTE CONTAINERS ARE NOT NEW.
7. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
8. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATION.
9. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTION REQUIRED FOR CONSTRUCTION.
10. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
11. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND DRAWINGS PROVIDED BY THE SITE OWNER. SUBCONTRACTOR SHALL NOTIFY AT&T OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

SITE WORK GENERAL NOTES:

1. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.
2. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
3. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
4. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
5. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
6. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
7. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING, OWNER AND/OR LOCAL UTILITIES.
8. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE AND STABILIZED TO PREVENT EROSION AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
9. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
10. ADD ELECTRICAL CONNECTIONS IN THE PUBLIC RIGHT OF WAY SHALL BE INSTALLED UNDERGROUND TO THE NEAREST UTILITY POLE.
11. NO WORK SHALL BE DONE WITHIN THE PUBLIC RIGHT-OF-WAY WITHOUT THE PRIOR APPROVAL AND PERMIT FROM THE ENVIRONMENTAL AND PUBLIC WORKS MANAGEMENT DEPARTMENT – ADMINISTRATIVE SERVICES.
12. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ALL DAMAGED OFFSITE IMPROVEMENTS CAUSED BY CONSTRUCTION. CALL PUBLIC WORKS INSPECTOR FOR INSPECTION OF OFFSITE IMPROVEMENTS AT SUBSTANTIAL COMPLETION OF ONSITE WORK.
13. NO CONSTRUCTION DEBRIS SHALL BE SPILLED OR STORED ONTO PUBLIC RIGHT-OF-WAY.
14. NO RUNOFF SEDIMENT OR WASTES IS ALLOWED IN WATER LEAVING THE SITE.
15. ALL SITE UTILITIES SHALL BE CONSTRUCTED UNDERGROUND TO THE NEAREST POLE.
16. ALL LABOR, EQUIPMENT AND MATERIAL REQUIRED FOR OFF-SITE IMPROVEMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

DISCLAIMER NOTE:

PDC HAS GENERATED A SITE PLAN WITHOUT USING A TOPOGRAPHIC SURVEY. PROPERTY LINES, POWER/TELCO UTILITY POINT OF CONNECTIONS/ROUTES AND EASEMENT SHOWN ON THIS PLANS ARE ESTIMATED. PDC HIGHLY RECOMMENDS GETTING A TOPOGRAPHIC SURVEY FOR THE PROPERTY TO VERIFY THE MEASUREMENTS AND ACCURACY.



SITE PLAN

0 10' 30' 100' SCALE
1" = 30'-0"

1



PROJECT INFORMATION:

CNU2082/CNU4604
LTE SITE: CCL002082
FA. #: 10101810 USID: 47323
MONARCH ST.
ALAMEDA/2082
2501 MONARCH STREET
ALAMEDA, CA 94501

CURRENT ISSUE DATE:

12/21/10

ISSUED FOR:

REV 1
SAC/CM COMMENTS

REV.: DATE: DESCRIPTION: BY:

A	07/28/10	90% CONSTRUCTION DRAWING	JD
0	10/01/10	100% CONSTRUCTION DRAWING	HG
1	12/21/10	SAC/CM COMMENTS	HT

PLANS PREPARED BY:



CONSULTANT:



DRAWN BY: CHK.: APV.:

JD	PP	SAS
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LICENSER:

SHEET TITLE:

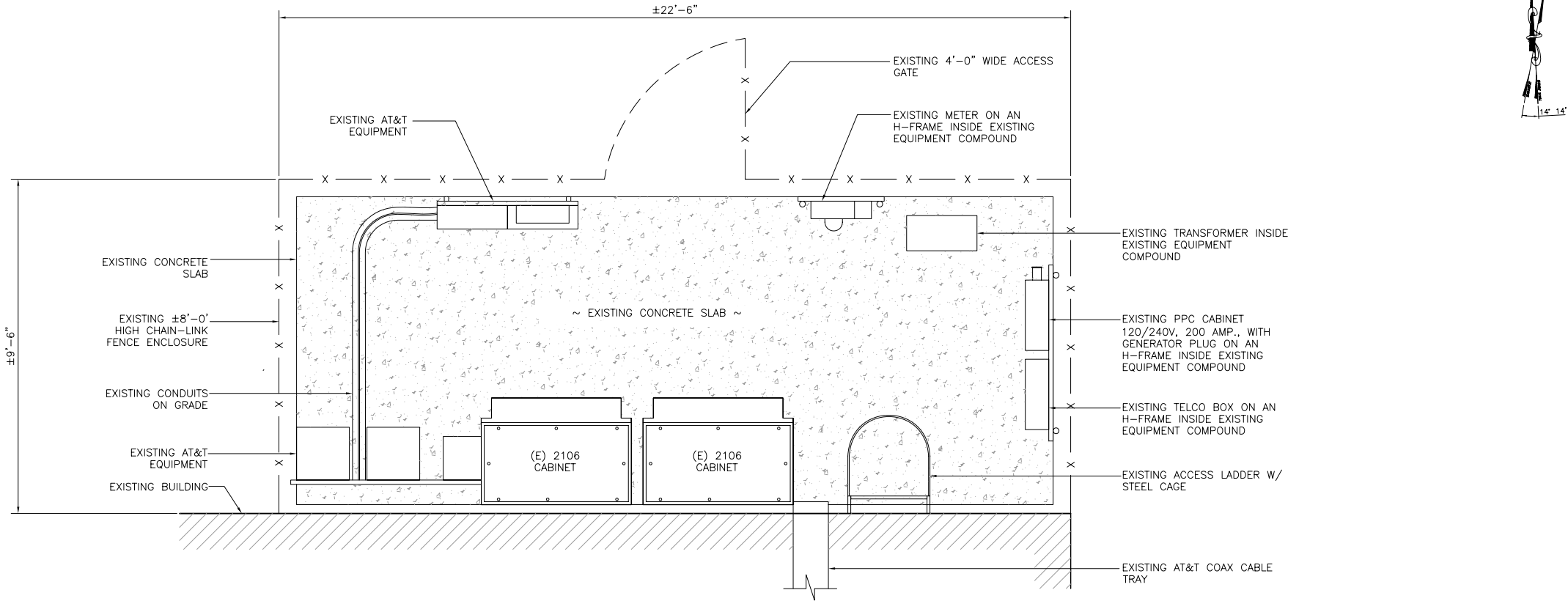
SITE PLAN

SHEET NUMBER:

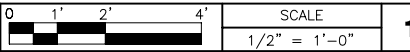
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SCALE NOTE:

IF DIMENSIONS SHOWN ON PLAN
DO NOT SCALE CORRECTLY, CHECK
FOR REDUCTION OR ENLARGEMENT
FROM ORIGINAL PLANS.

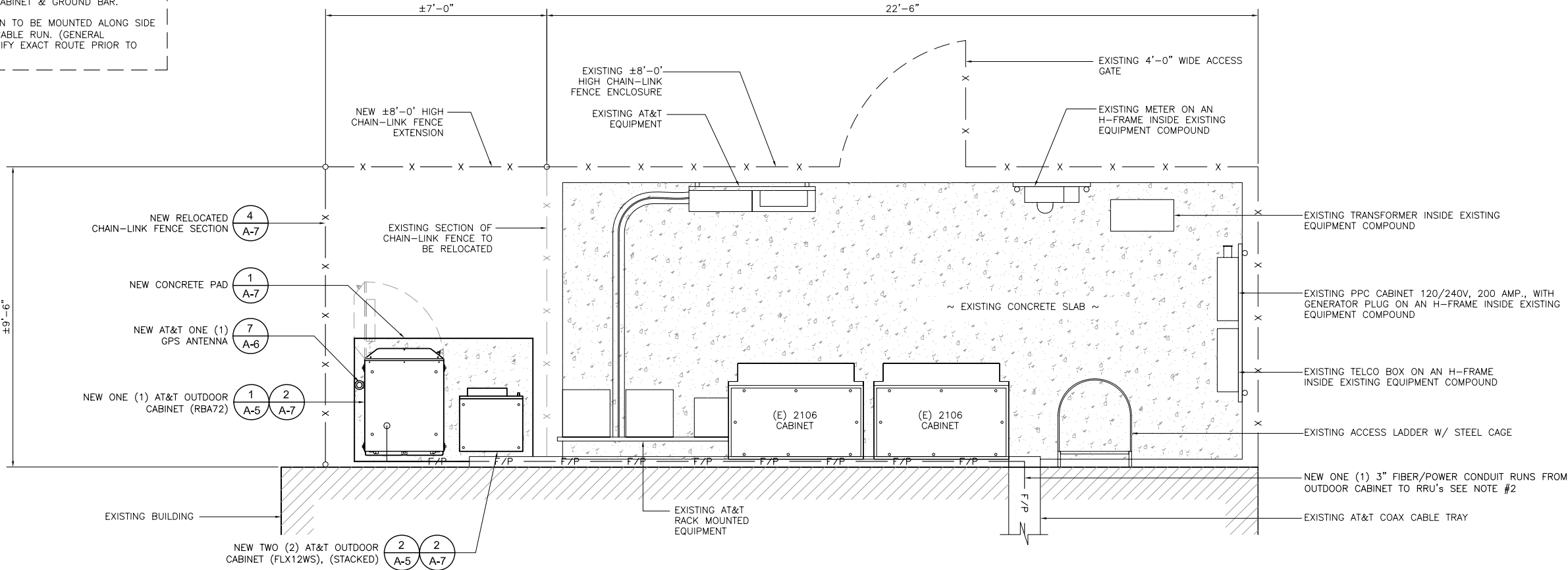


EXISTING EQUIPMENT LAYOUT

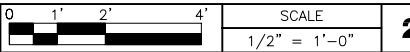


NOTES:

1. NEW AT&T CABINET TO BE CONNECTED TO EXISTING AC POWER, TELCO CABINET & GROUND BAR.
2. NEW AT&T FIBER RUN TO BE MOUNTED ALONG SIDE OF EXISTING COAX CABLE RUN. (GENERAL CONTRACTOR TO VERIFY EXACT ROUTE PRIOR TO CONSTRUCTION)



NEW EQUIPMENT LAYOUT



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1	12/21/10	SAC/CM COMMENTS	HT

PLANS PREPARED BY:

PDC CORPORATION



1062 CONCANNON BLVD.
LIVERMORE, CA 94550
TEL: (925) 606-5868

CONSULTANT:



3140 GOLD CAMP DR, SUITE 30
RANCHO CORDOVA, CA 95670

DRAWN BY: CHK.: APV.:

JD PP SAS

LICENSER:

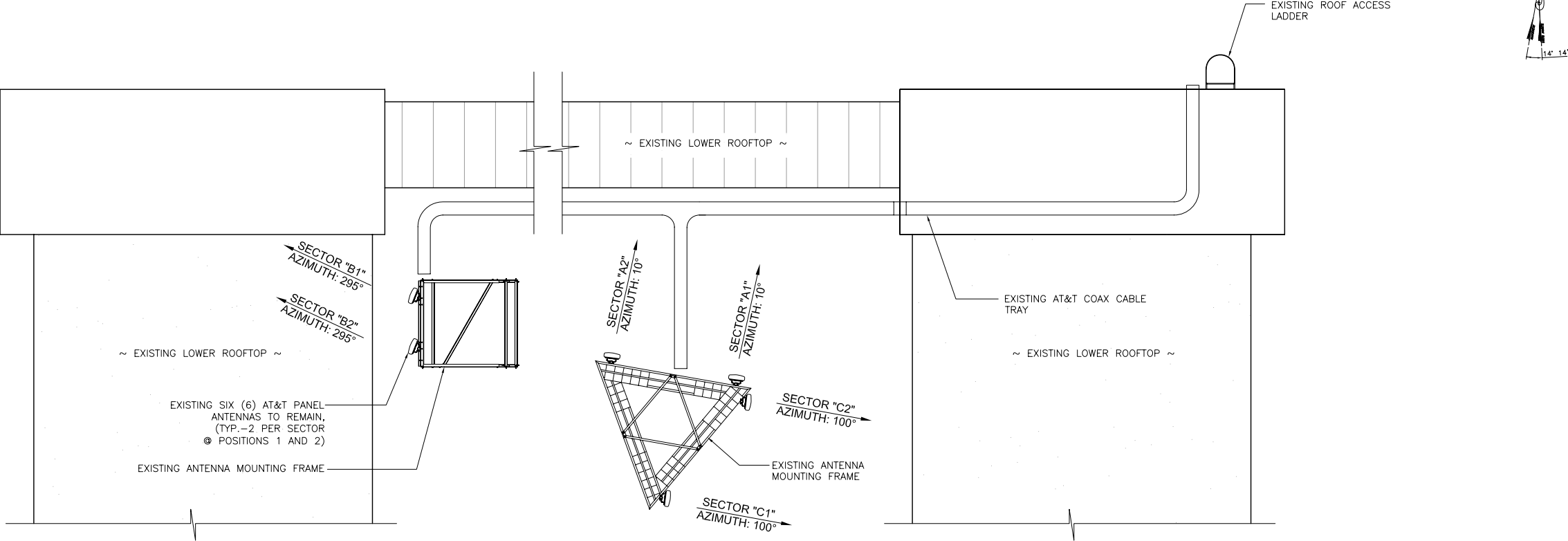
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EQUIPMENT LAYOUTS

SHEET NUMBER:

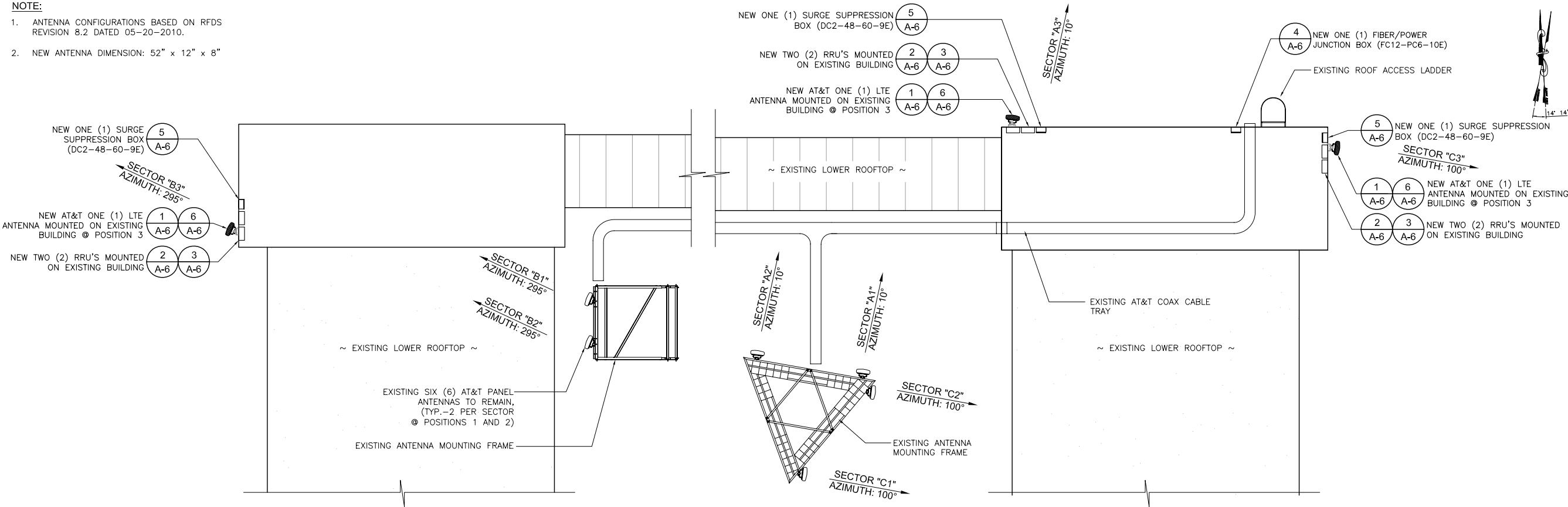
A-2

SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO NOT
SCALE CORRECTLY, CHECK FOR REDUCTION
OR ENLARGEMENT FROM ORIGINAL PLANS.



EXISTING ANTENNA PLAN

- NOTE:
- ANTENNA CONFIGURATIONS BASED ON RFDS REVISION 8.2 DATED 05-20-2010.
 - NEW ANTENNA DIMENSION: 52" x 12" x 8"



NEW ANTENNA PLAN



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CID
1062 CONCANNON BLVD.
LIVERMORE, CA 94550
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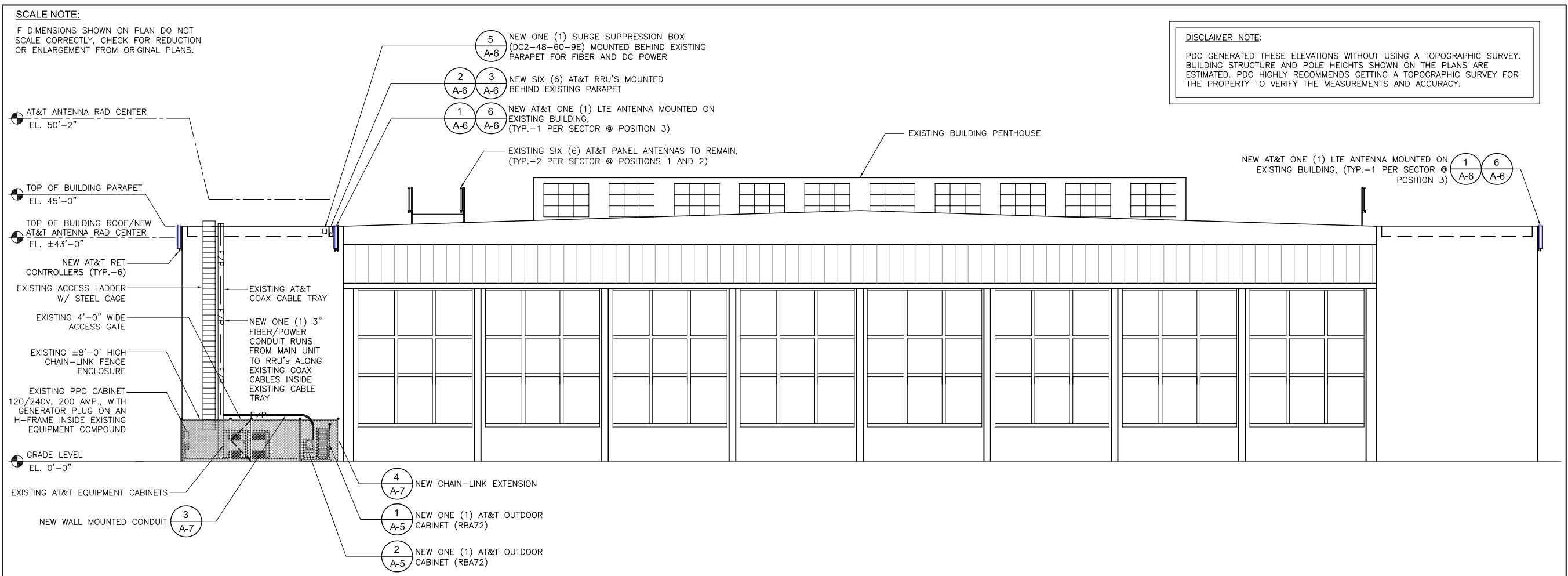
CONSULTANT:
LYLE
3140 GOLD CAMP DR, SUITE 30
RANCHO CORDOVA, CA 95670

DRAWN BY: _____ CHK.: _____ APV.: _____
JD PP SAS

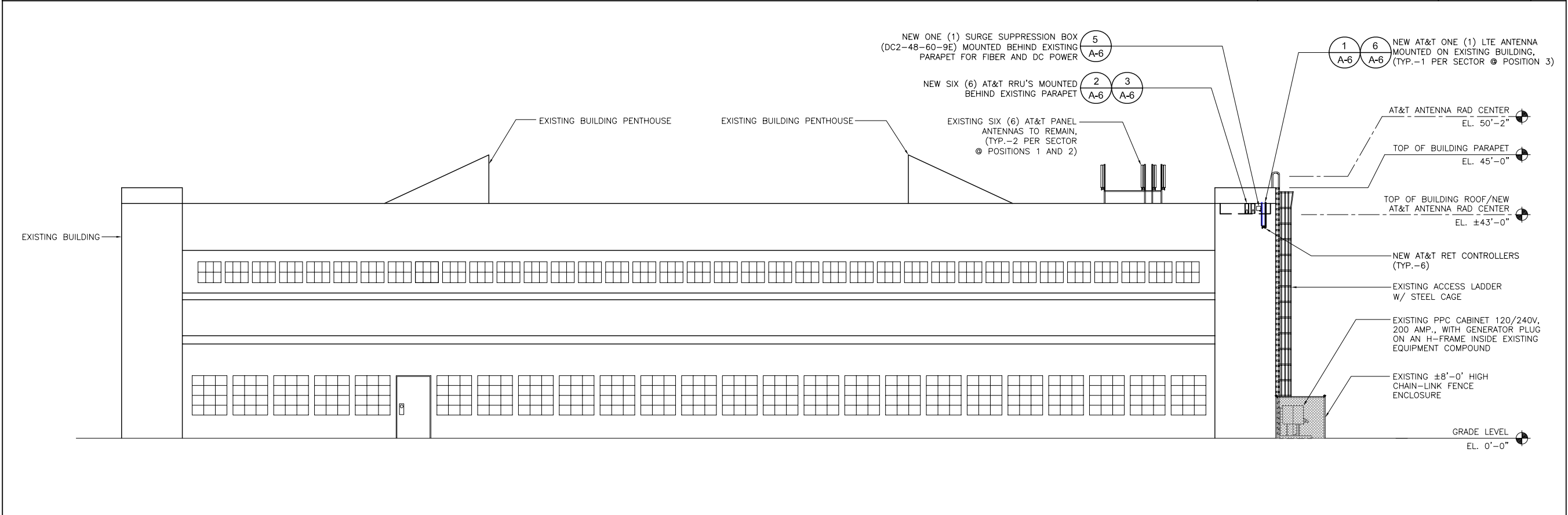
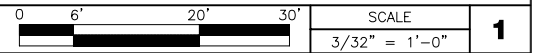
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ANTENNA PLANS

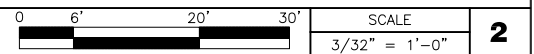
SHEET NUMBER:
A-3



NORTH ELEVATION



EAST ELEVATION

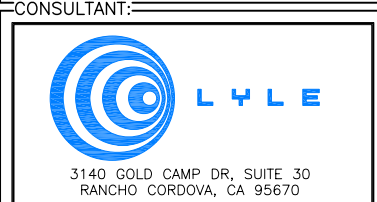


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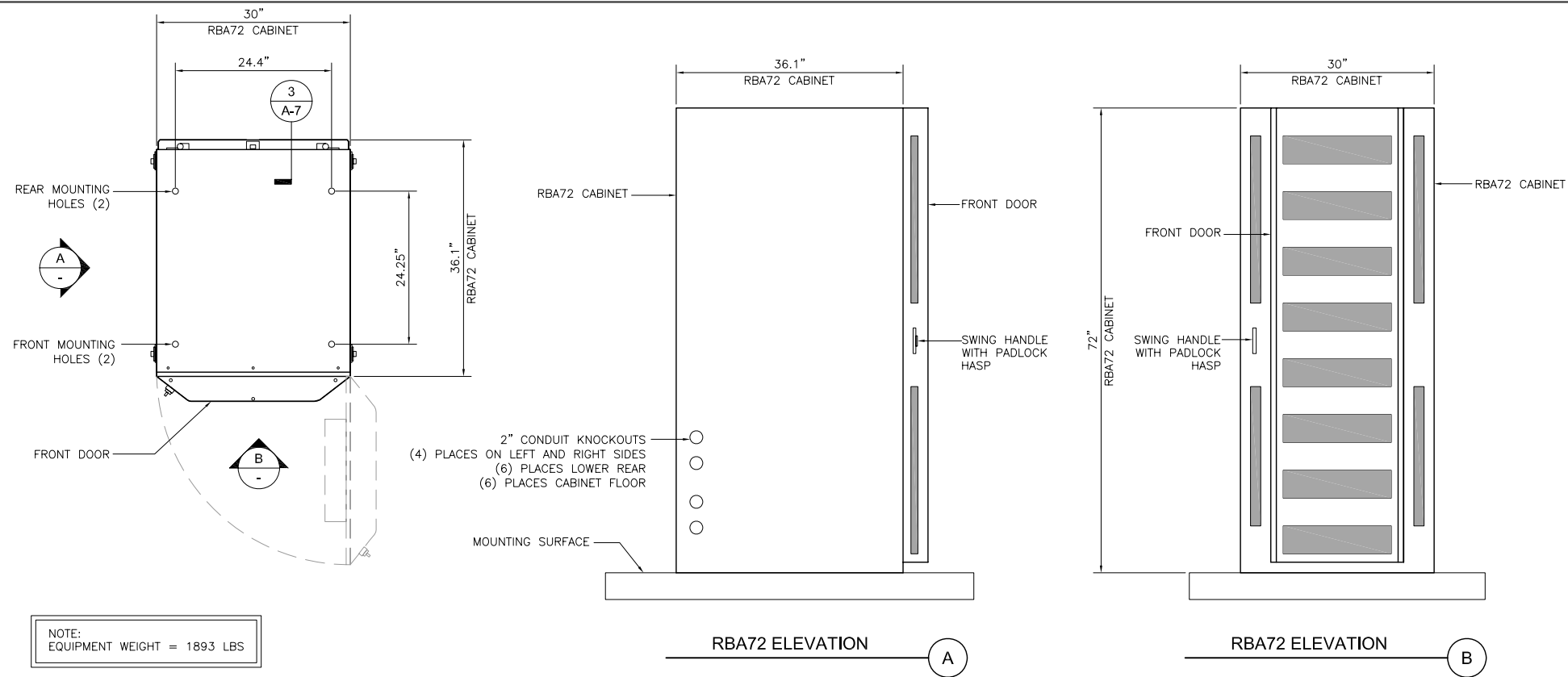
DRAWN BY: **CHK.:** **APV.:**

JD	PP	SAS
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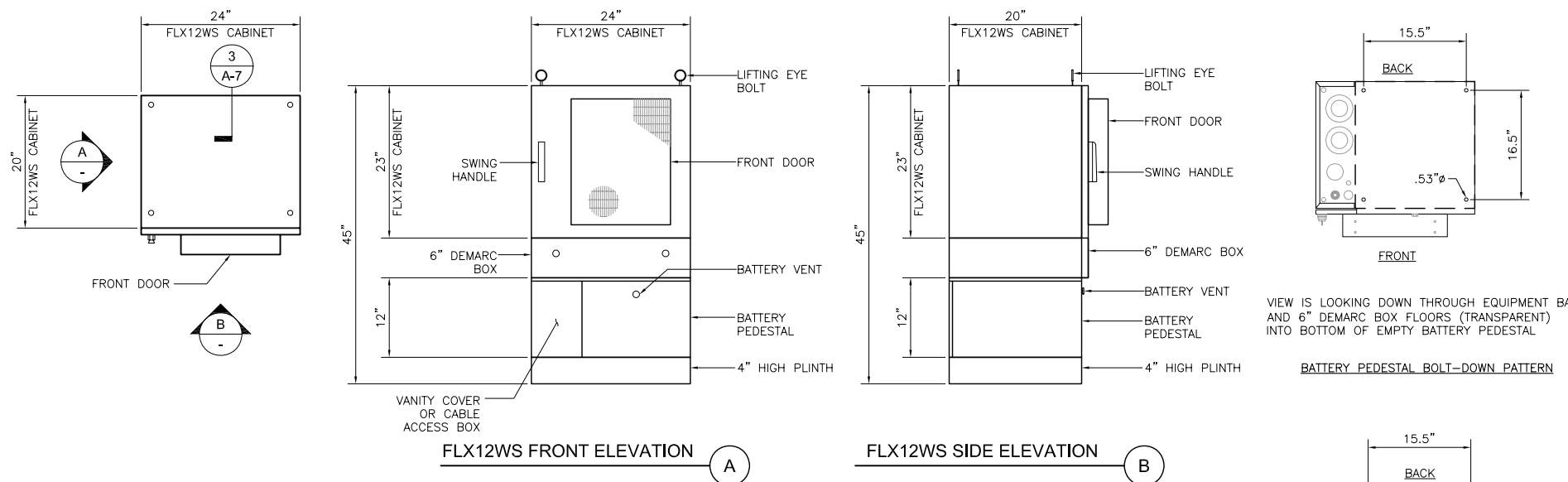
SHEET TITLE:
ELEVATIONS

SHEET NUMBER:
A-4



EQUIPMENT DETAILS AND SPECS

1



EQUIPMENT MOUNTING

- 12RU 19" RAILS, FRONT TO BACK ADJUSTABLE

CONSTRUCTION MATERIALS

- MATERIAL: ALUMINUM (LIGHTWEIGHT, CORROSION-RESISTANT)
- PAINT: GR-487 TESTED & CERTIFIED POWER COAT

DOOR/SIDE PANEL CONSTRUCTION

- DOOR: FRONT DOOR WITH DOOR ALARM AND OPTIONAL AIR CONDITIONER, HEAT EXCHANGER, OR THERMOELECTRIC COOLER
- LATCHES: TWO-POINT LATCHED, PAD LOCKABLE

ENVIRONMENTAL OPTIONS

- THERMOELECTRIC COOLER: 400W @ 0'dT, +24VDC, -48VDC OR 120VAC
- AIR CONDITIONER: UP TO 2,000 BTU/HR AIR CONDITIONER WITH HEATER
- HEAT EXCHANGER: UP TO 39W/C HEAT EXCHANGER, +24VDC OR -48VDC

BATTERY PEDESTAL

- ACCOMMODATES UP TO 60AHR BATTERIES

CABLE ENTRY

- (3) 1/2"; (3) 1"; (1) 2" 31/2" OR 2" KNOCKOUTS

AC POWER OPTIONS

- 30A-MAIN POWER WITH OPTIONAL TRANSIENT VOLTAGE SURGE PROTECTION, 15A GENERATOR CONNECTION CABLE
- 6-POSITION 19" RACK-MOUNTED (1RU) OR 12-POSITION (2U) AC LOAD CENTERS AVAILABLE IN VARIOUS CONFIGURATIONS - CAN BE EQUIPPED WITH SURGE PROTECTION DEVICES THAT OCCUPY 1-POSITION OR 2-POSITIONS AND 6-POSITION DIN-MOUNTED AC BREAKER PANEL (120V OR 240V CONFIGURATIONS). OPTIONAL DIN-MOUNTED TVSS
- 15A GFCI DUAL OUTLET RECEPTACLE CONVENIENCE OUTLET

MOUNTING OPTIONS

- 4" PLINTH
- 14" PLINTH
- POLE MOUNT KIT
- WALL MOUNT KIT
- VERTICAL CABINET-ON-CABINET STACKING

FLX12WS EQUIPMENT DETAILS AND SPECS

2



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ALAMEDA/2082
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ALAMEDA, CA 94501

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PLANS PREPARED BY:



CONSULTANT:



DRAWN BY: CHK.: APV.:

JD	PP	SAS
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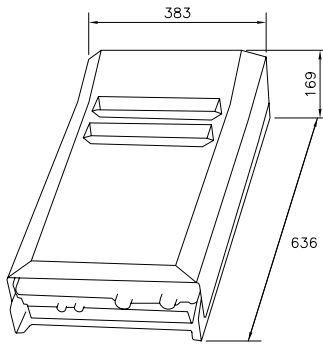
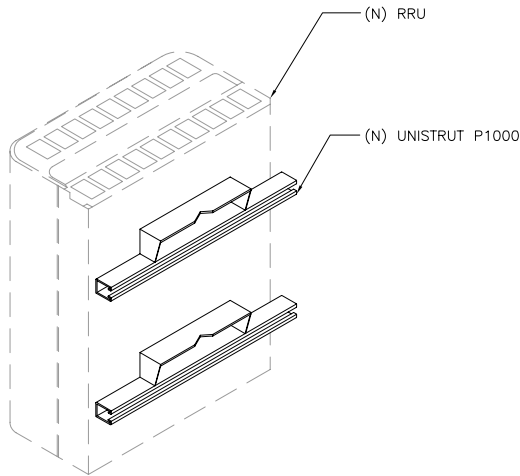
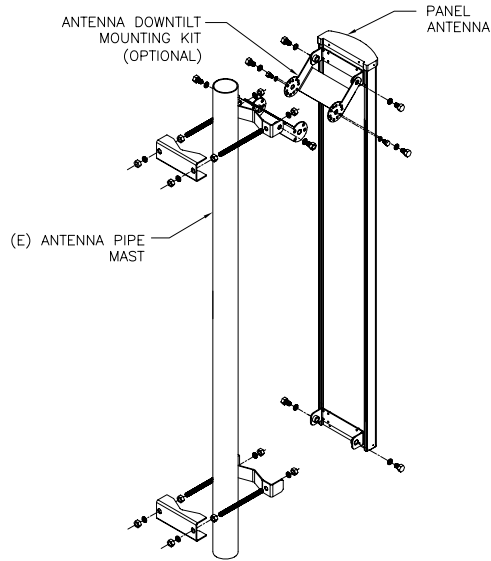
LICENSER:

SHEET TITLE:

EQUIPMENT
CABINET DETAILS

SHEET NUMBER:

A-5



WEIGHT AND COLOR	
DESCRIPTION	VALUE
WEIGHT	
RRUS	20 kg
COLOR	
GRAY	NCS S2502-R
20 kg = 44.09 POUNDS	

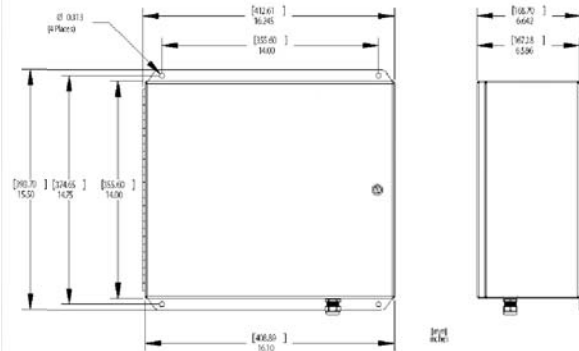
383 mm = 15.07 INCHES
636 mm = 25.03 INCHES
169 mm = 6.65 INCHES

FC12-PC6-10E

Central Fiber Optic & DC Power Connection

FEATURES

- Provides simplified connectivity and cable management for DC power and fiber optic cables, offering a central point of connectivity
- Designed for roof-top installations of Remote Radio Heads (RRH) or Distributed NodeB Systems
- Connects 12 pair of fiber and 6 DC power circuits
- Flexible design utilizes a NEMA 4 enclosure, allowing for indoor or outdoor installation on a roof or tower top
- Enclosure is rated for -40° C to +60° C
- One 2 1/2" input for conduit and three 2" outputs for sector distribution
- Unit weighs 20.35 lbs (116.77 N)



ANTENNA MOUNT

1 RRU MOUNTING DETAIL

2 RRU SPECS

3 FC12-PC6-10E SPECS

4

DC2-48-60-0-9E

DC Surge Suppression Solution

The DC2-48-60-0-9E surge protector is designed to provide robust overvoltage surge protection for DC power circuits for today's third and fourth generation distributed architecture radio systems. The DC2-48-60-0-9E provides -48 VDC to Return, and Return to Ground protection for two (2) complete 48 VDC circuits, protecting two radios.

FEATURES

- Provides protection for two (2) 48 VDC circuits
- Robust DC surge protection of 60 kA 8/20 μ s
- IEC 61643-1 Class II Protection
- NEMA 4 Rated Enclosure
- Form C relay contacts
- Suppressor status alarm features



Electrical Specifications	
Model Number	DC2-48-60-0-9E*
Protector Type	IEC 61643-1 Class II
Nominal Operating Voltage	48 VDC
Protection Modes	-48 V to Return, Return to Ground = 2 Circuits
Nominal Discharge Current (I _n)	20 kA 8/20 μ s
Maximum Discharge Current (I _{max}) per NEMA 1 S-1	60 kA 8/20 μ s
Maximum Continuous Operating Voltage (U _c)	75 VAC, 160 VDC
Voltage Protection Level (U _p)	500 V

*Module Assembly Part # - DC2-48-60-0-9E-U. Field upgradable, prewired module package for 1 remote radio.

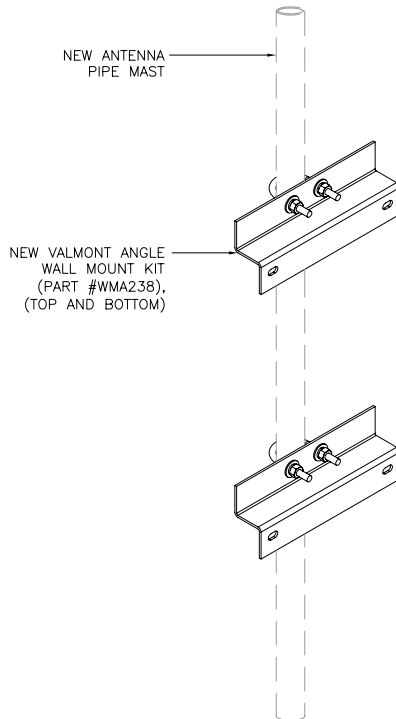
Mechanical Specifications	
Suppression Connection Method	Compression lug, #14 to #2 AWG
Weight**	19 lbs
Storage Temperature	-70° C to +60° C
Operating Temperature	-40° C to +60° C
Environmental Rating	NEMA 4

**DC2-48-60-0-9E-U module assembly weighs 1 lb (1.45N)

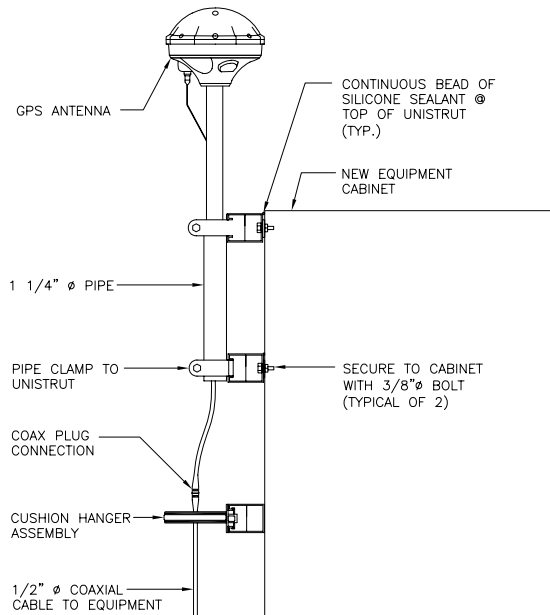
The Strikesorb modules are fully Recognized to UL 1449 3rd Edition (September 29, 2009) Safety Standard, meeting all intermediate and high current fault requirements to facilitate use in OEM applications.

In addition, Strikesorb modules are compliant to the following Surge Protection Device (SPD) Standards:
-ANSI/UL 1449 - 3rd Edition
-IEEE C62.41
-NEMA LS-1, IEC 61643-1:2005 2nd Edition 2005
-IEC 61643-12
-EN 61643-11 2002 (Including A11:2007)

They are CE labeled accordingly.



NOTE:
MOUNT TO WALL W/ 3/8" REDHEAD ANCHORS.



NOTES:

- LOCATION OF ANTENNA MUST HAVE CLEAR VIEW OF SOUTHERN SKY AND CANNOT HAVE ANY BLOCKAGES EXCEEDING 25% OF THE SURFACE AREA OF A HEMISPHERE AROUND THE GPS ANTENNA.
- ALL GPS ANTENNA LOCATIONS MUST BE ABLE TO RECEIVE CLEAR SIGNALS FROM A MINIMUM OF FOUR (4) SATELLITES. VERIFY WITH HANDHELD GPS BEFORE FINAL LOCATION OF GPS ANTENNA.
- THE WEIGHT OF THE ANTENNA MOUNT IS 6.5 LBS.
- IF ICE BRIDGE OR SIMILAR POST IS NOT GROUNDED, GROUND WITH #2 AWG TINNED BARE COPPER WIRE EXOTHERMICALLY BONDED TO POST AND CONNECTED TO GROUND RING.

DC2-48-60-09E SPECS

5 PANEL ANTENNA MOUNT

6 GPS ANTENNA

7



PROJECT INFORMATION:

CNU2082/CNU4604

LTE SITE: CCL002082

FA #: 10101810 USD: 47323

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ALAMEDA/2082

2501 MONARCH STREET

ALAMEDA, CA 94501

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PLANS PREPARED BY:

PDC CORPORATION



1062 CONCANNON BLVD.

LIVERMORE, CA 94550

TEL: (925) 606-5868

CONSULTANT:



3140 GOLD CAMP DR, SUITE 30

RANCHO CORDOVA, CA 95670

DRAWN BY: CHK.: APV.:

JD PP SAS

LICENSER:

SHEET TITLE:

**EQUIPMENT AND
CONSTRUCTION
DETAILS**

SHEET NUMBER:

A-6

CONCRETE AND REINFORCING STEEL NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION PER CAST-IN-PLACE CONCRETE.

2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.

3. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.

4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

CONCRETE CAST AGAINST EARTH.....3 IN.

CONCRETE EXPOSED TO EARTH OR WEATHER:

#6 AND LARGER2 IN.

#5 AND SMALLER & WWF1 1/2 IN.

CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:

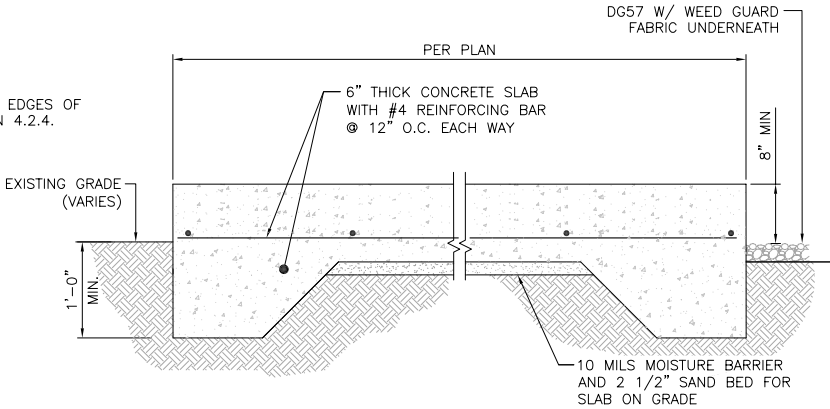
SLAB AND WALL.....3/4 IN.

BEAMS AND COLUMNS.....1 1/2 IN.

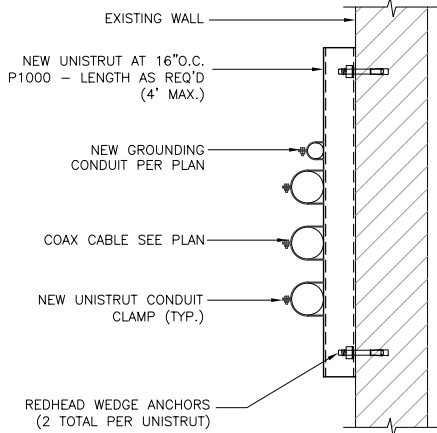
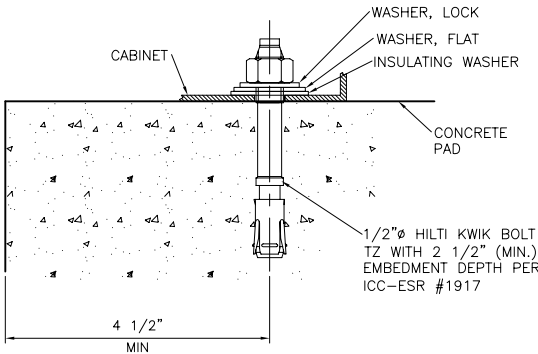
5. A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
6. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE. EXPANSION BOLTS SHALL BE PROVIDED BY RAMSET/REDHEAD OR APPROVED EQUAL, UNLESS NOTED OTHERWISE.

7. GRAVEL SHALL BE NATURAL OR CRUSHED STONE WITH 100% PASSING 1 INCH SIEVE.

8. DIMENSIONS SHOWN ARE EXACT MINIMUM PAD SIZES REQUIRED FOR EQUIPMENT LAYOUTS – CONTRACTOR MAY ROUND UP TO THE NEAREST FOOT (OR HALF FOOT) IF LEASE AREA AND SPACE PERMIT.



ELEVATION VIEW

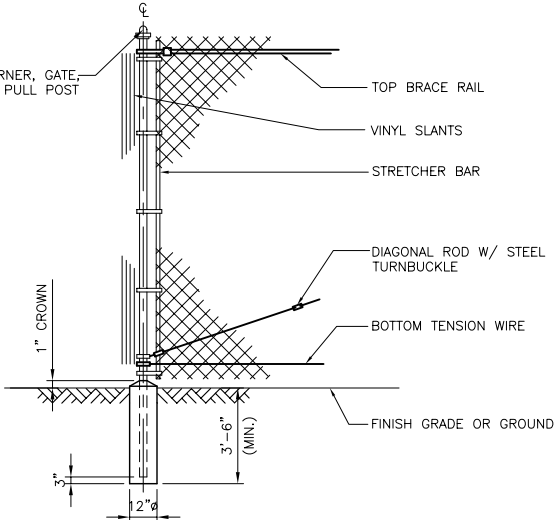


ANTENNA MOUNTING DETAIL

1 CONCRETE PAD CONNECTION

2 CONDUIT ATTACHMENT

3



CHAIN-LINK GATE DETAIL

4

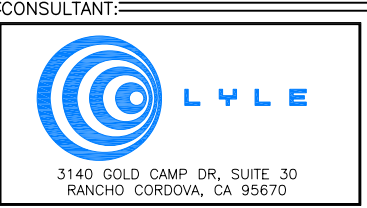


PROJECT INFORMATION:
CNU2082/CNU4604
LTE SITE: CCL002082
FA. #: 10101810 USD: 47323
MONARCH ST.
ALAMEDA/2082
2501 MONARCH STREET
ALAMEDA, CA 94501

CURRENT ISSUE DATE:
12/21/10

ISSUED FOR:
REV 1
SAC/CM COMMENTS

REV.:	DATE:	DESCRIPTION:	BY:
A	07/28/10	90% CONSTRUCTION DRAWING	JD
0	10/01/10	100% CONSTRUCTION DRAWING	HG
1	12/21/10	SAC/CM COMMENTS	HT

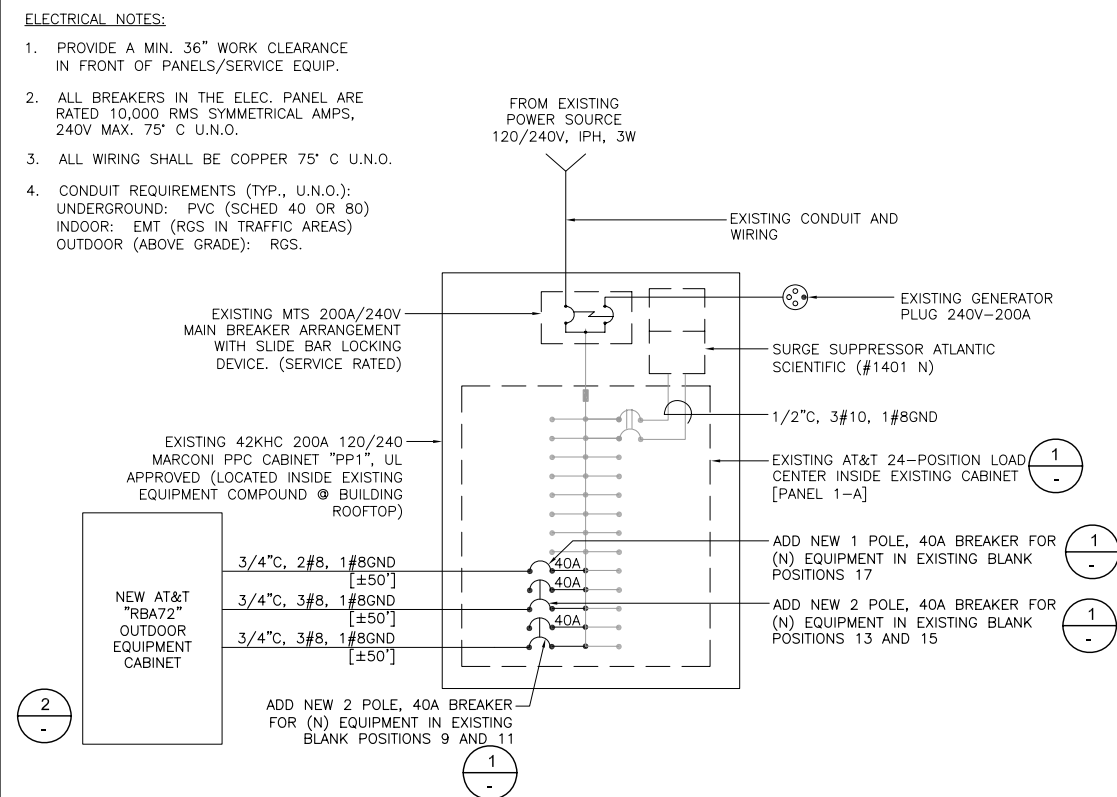


DRAWN BY:	CHK.:	APV.:
JD	PP	SAS

LICENSER:




SHEET TITLE:
CONSTRUCTION DETAILS

SHEET NUMBER:
A-7



	3
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4430 ROSEWOOD DRIVE PLEASANTON, CA 94588			
PROJECT INFORMATION:			
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PLANS PREPARED BY:			
 1062 CONCANNON BLVD. LIVERMORE, CA 94550 TEL: (925) 606-5868			
CONSULTANT:			
			
3140 GOLD CAMP DR, SUITE 30 RANCHO CORDOVA, CA 95670			
DRAWN BY:		CHK.: APV.:	
JD	PP	SAS	
LICENSER:			
SHEET TITLE:			
EQUIPMENT POWER PLAN AND PANEL SCHEDULE			
SHEET NUMBER:			
E-1			

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION ACCORDING TO SITE CONDITIONS.
2. ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
3. GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
4. ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: EXOTHERMIC WELD TYPE.
5. GROUND RING SHALL BE LOCATED A MINIMUM OF 24" BELOW GRADE OR 6" MINIMUM BELOW THE FROST LINE.
6. INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
7. EXOTHERMIC WELD GROUND CONNECTION TO FENCE POST: TREAT WITH A COLD GALVANIZED SPRAY.
8. GROUND BARS: A. EQUIPMENT GROUND BUS BAR (EGB) LOCATED AT BOTTOM OF ANTENNA POLE/MAST FOR MAKING GROUNDING JUMPER CONNECTIONS TO COAX FEEDER CABLES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. JUMPERS (FURNISHED BY OWNERS) SHALL BE INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR. B. MAIN GROUND BUS BAR (MGB) LOCATED NEAR THE BASE OF THE RADIO EQUIPMENT CABINET(S) SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
9. ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
10. OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE GROUNDING.
11. GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS OR AT GROUNDING POINTS PROVIDED (2 MINIMUM).
12. IF EQUIPMENT IS IN A C.L. FENCE ENCLOSURE, GROUND ONLY CORNER POSTS AND SUPPORT POSTS OG GATE. IF CHAIN LINK LID IS USED, THEN GROUND LID ALSO.
13. GROUNDING @ PPC CABINET SHALL BE VERTICALLY INSTALLED.
14. ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED SO THAT IT WILL BY-PASS MAIN BUSS BAR.
15. ALL EMT RUNS SHALL BE GROUNDED AND HAVE A BUSHING. NO PVC ABOVE GROUND.
16. USE SEPARATE HOLES FOR GROUNDING @ BUSS BAR. NO "DOUBLING-UP" OF LUGS.
17. POWER AND TELCO CABS. SHALL BE GROUNDED (BONDED) TOGETHER.
18. NO "LB'S" ALLOWED ON GROUNDING RUNS.

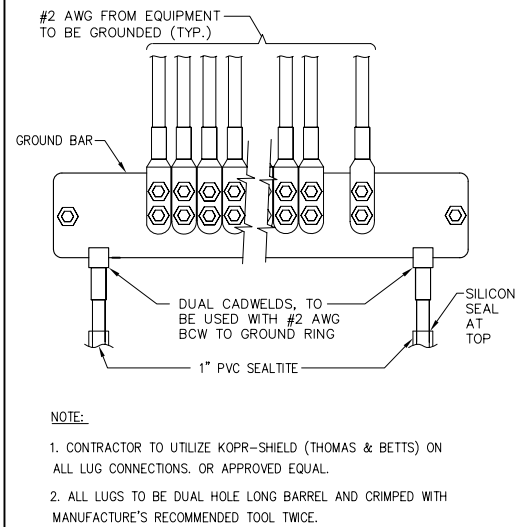
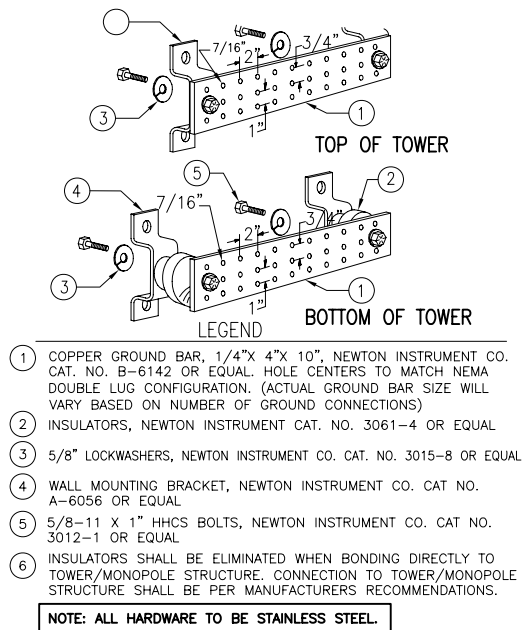
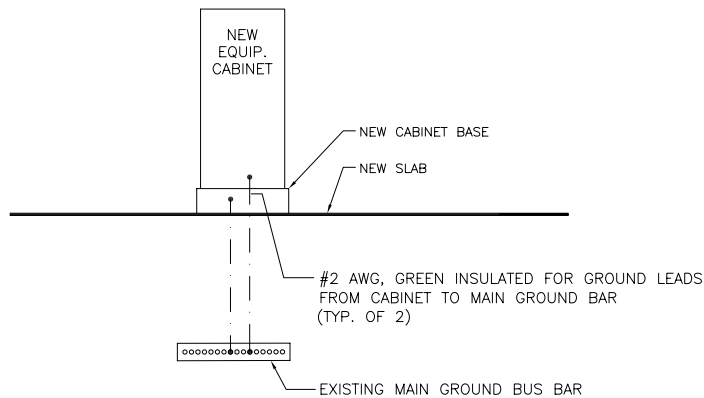
GROUNDING NOTES

NOTES:

1. THIS IS A DIAGRAMMATIC REPRESENTATION ONLY. SEE GROUNDING PLAN FOR SITE-SPECIFIC GROUNDING LAYOUT AND COMPONENTS.
2. SEE GROUND NOTES FOR ADDITIONAL INFORMATION.
3. USE #2/0 AWG, BCW FOR GROUND LEADS FROM BUS BARS TO GROUND RING.
4. USE #2 AWG, BCW FOR BURIED GROUND LOOP AND GROUND LEADS.
5. THE NUMBER AND SIZE OF GROUND BARS USED MAY PER SITE CONDITIONS.

LEGEND:

- — EXOTHERMIC CONNECTION
- — MECHANICAL TYPE CONNECTION



TYPICAL GROUND BAR

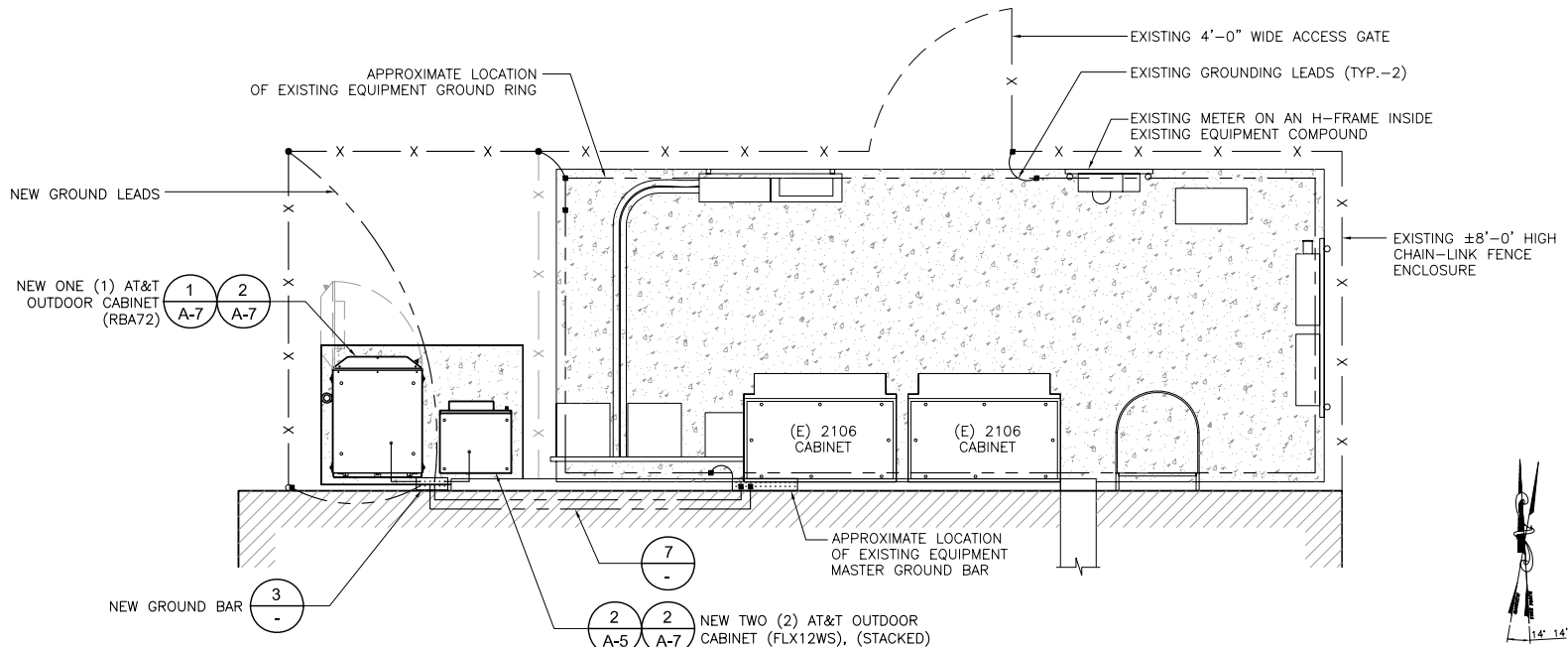
2

GROUNDING BAR DETAIL

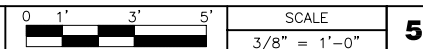
3

UNUSED

4



EQUIPMENT GROUNDING PLAN



5

TYP. SYSTEM GROUNDING SCHEMATIC

7

NOT USED

8



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PLANS PREPARED BY:==



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CONSULTANT:==



3140 GOLD CAMP DR, SUITE 30
RANCHO CORDOVA, CA 95670

DRAWN BY: _____ CHK.: _____ APV.: _____

JD	PP	SAS
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LICENSER: =

SHEET TITLE:==

GROUNDING NOTES AND DETAILS

SHEET NUMBER:

E-2